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Borough of Crosby

Annual Report

of the

Medical Officer of Health

For the Year 1946

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BOROUGH OF CROSBY

MAYOR : MR. ALDERMAN J. ALLEN JONES, J.P.

DEPUTY MAYOR : MR. ALDERMAN A. G. JAMIESON, J.P.

TOWN CLERK : FRANK D. FOULKES, Esq.

Health Committee at the end of 1946

Chairman :

MR. COUNCILLOR J. MORRIS.

Vice-Chairman :

MR. COUNCILLOR H. S. DICKSON.

THE MAYOR
THE DEPUTY MAYOR } *Ex-Officio.*

Mr. Alderman G. W. BEVAN	Mr. Councillor S. J. HEBBERT
„ „ W. CUMMINS	„ „ R. L. HOLMAN
Alderman Miss F. ROLLO, J.P.	„ „ H. R. KEEGAN
Mr. Alderman D. I. SAWYER	„ „ T. D. McKILLOP
„ „ A. S. WILLIAMS	„ „ E. ROSEWARNE
„ Councillor H. E. CASSIDY	„ „ E. H. SPENCER
„ „ T. CLARE	Councillor Mrs. W. E. TARRANT
„ „ J. S. DUCKELS	Mr. Councillor R. B. WAITE
„ „ J. G. ECCLES	„ „ F. WARD
„ „ W. O. GRIFFITH	

Medical Services Sub-Committee

Chairman : MR. COUNCILLOR J. MORRIS.

THE MAYOR
THE DEPUTY MAYOR } *Ex-Officio.*

Mr. Alderman A. S. WILLIAMS.

Mr. Councillor H. S. DICKSON	Mr. Councillor R. L. HOLMAN
Mr. Councillor J. G. ECCLES	Mr. Councillor E. ROSEWARNE
Councillor Mrs. W. E. TARRANT	

STAFF OF THE PUBLIC HEALTH DEPARTMENT, 1946

Medical Officer of Health :

A. J. W. CUNNINGHAM, M.A., M.D. (Cantab.), D.P.H. (Liverpool)

Assistant Medical Officer of Health :

(Miss) M. MURRAY,

M.B., Ch.B. (Liverpool), M.R.C.S. (Lond.), D.P.H. (Liverpool).

On Active Service.

Temporary Assistant Medical Officer of Health :

SUSAN H. MONTGOMERY, M.B., Ch.B. (Liverpool).

Dental Surgeons :

J. F. COWELL, L.D.S., R.C.S. (Eng.). (Part-time).

A. H. CLEAVER, L.D.S., R.F.P.S. (Glas.). (Part-time).

CONSULTANT STAFF :

Gynaecologist :

SIDNEY B. HERD, M.D., Ch.B., F.C.O.G. (Part-time).

Ear, Nose & Throat Surgeon :

JOHN ROBERTS, M.B., Ch.B., F.R.C.S., L.R.C.P. (Part-time).

Ophthalmic Surgeon :

J. BERKSON, M.B. Ch.B. (Part-time).

OTHER OFFICERS OF THE DEPARTMENT

Chief Sanitary Inspector :

G. F. LEWIS, M.R.S.I., M.S.I.A.

Deputy Chief Sanitary Inspector :

R. SPENCER, M.S.I.A.

District Sanitary Inspectors :

D. BARBER, A.R.S.I., M.S.I.A.

V. W. VICKERS, M.S.I.A.

P. M. WATSON, M.S.I.A.

Senior Health Visitor :

Miss K. ARMSTRONG, S.R.N., S.R.C.N., S.C.M., H.V.Cert.

District Health Visitors :

Miss D. PARKINSON, S.R.N., S.C.M., H.V.Cert.

Miss C. E. FOX, S.R.N., S.C.M. H.V.Cert.

Miss M. WILKINSON, S.R.N., S.R.C.N., S.C.M., H.V.Cert.

Miss H. BLACK, S.R.N., S.C.M., H.V.Cert.

Miss M. V. RIMMER, S.R.N., S.C.M., S.R.F.N., H.V. Cert.

CLERICAL STAFF

F. C. WILKINSON

J. HARROWER

Miss M. CULLIMORE.

Miss D. JONES

Miss M. JONES

Miss A. WHALEN

Miss J. DRAPER

Miss A. HOCKENHULL

PUBLIC HEALTH DEPARTMENT,
TOWN HALL,
WATERLOO,
LIVERPOOL, 22.

MR. MAYOR, LADIES AND GENTLEMEN,

I have the honour to submit to you herewith the tenth Annual Report relating to the health of the Borough of Crosby for the year ended 31st December, 1946.

This year was the first completely free from war, and although its effects were still all too obvious it became possible again to devote energies to peacetime duties.

The total number of births was 1,063, giving a birth rate of 18.4 per 1,000 as against the figure of 17.1 for the previous year. -

The total number of deaths was 770, giving a death rate of 13.3 as compared with 13.7 in 1945.

For the second year running no deaths were recorded from diphtheria, and this, together with the fall in the number of cases reported, from 40 in 1945 to 28, would appear to be directly correlated with the extensive campaign in anti-diphtheria inoculation carried out in recent years.

Other changes during the year included the opening of a Clinic at the Congregational Hall in Seaforth. As the year went on the value of the work done became obvious, and has proved useful to, and much appreciated by, people at that end of the Borough.

The Ambulance Service, a direct descendant of the Civil Defence days, and now under the Health Committee, dealt with road accidents as well as providing very useful services in emergency medical and maternity cases.

The housing question became more pressing, and the Council decided to set up a Housing Department and to appoint a Housing Manager, thus making a methodical attempt to deal with a very difficult and pressing problem—a problem more difficult from the slow rate of progress in providing new houses.

After recent changes the staff of the Department has again settled down, and to them I express my thanks for their loyal co-operation, and once again to the Chairman and Members of the Health Committee for their continued interest and enthusiasm for the health of the Borough.

I am, Ladies and Gentlemen,

Yours obediently,

A. J. W. CUNNINGHAM,

Medical Officer of Health.

Deaths Registered in the Borough since its Formation

5

Year	Population Registrar General's Estimate	Male	Female	Total	Death Rate per 1000 est. pop. Crosby	Death Rate per 1000 pop. England & Wales	Deaths Infants under 1 year of age	Death Rate per 1000 live births	Legitimate	Rate per 1000 live births	Illegitimate	Rate per 1000 births	Deaths from Pulmonary Tuberculosis	Deaths from:—		
														Zymotic Diseases	Cancer all ages	Heart Disease
1937	55,580	359	352	711	12.7	12.4	47	56	44	53	3	130	35	14	98	159
1938	55,780	320	319	639	11.4	11.6	47	58	41	53	6	206	33	17	111	144
1939	55,690	328	377	705	12.7	12.1	53	70	43	59	10	357	22	21	104	166
1940	54,280	365	387	752	13.8	14.3	53	64	47	59	6	153	29	8	92	178
1941	51,290	436	479	915	17.8	12.9	66	87	57	80	9	200	40	22	103	172
1942	53,010	317	314	631	11.9	11.6	57	61	53	60	4	77	36	9	93	148
1943	52,160	355	365	720	13.8	12.1	50	51	41	44	9	138	40	8	101	189
1944	52,800	365	365	730	13.8	11.6	58	54	48	48	10	129	34	4	116	197
1945	53,670	364	372	736	13.7	11.4	39	42	33	42	6	81	35	2	123	222
1946	57,540	379	391	770	13.3	11.5	57	53	51	50	6	120	47	12	114	225

SECTION I.

Vital Statistics.

Area, 6,852 acres (Land and inland water 4,771 acres, Foreshore 2,081 acres).

Population (Census 1931), 50,569.

Population (Estimated 1946), 57,540.

Number of inhabited houses (end of 1946) according to Rate Books 15,940.

Rateable value at October, 1946, £514,189.

Sum represented by a penny rate (Estimated 1946-47), £2,031.

Live births—

	Total	M.	F.
Legitimate	1,013	535	478
Illegitimate	50	31	19

Total.....	1,063	566	497
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Birth-rate per 1,000 of the estimated resident population	18.4
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	Total	M.	F.
Stillbirths	22	15	7

Rate per 1,000 total (live and still) births	20
--	----

	Total	M.	F.
Deaths	770	379	391

Death-rate per 1,000 of the estimated average population	13.3
--	------

Deaths from puerperal causes—

	Deaths
Puerperal sepsis	-
Other Maternal causes	-

Total.....	Nil
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Death-rate per 1,000 total (live and still) births	-
--	---

Death-rate of infants under one year of age:—

All infants per 1,000 live births	53
---	----

Legitimate infants per 1,000 legitimate live births	50
---	----

Illegitimate infants per 1,000 illegitimate live births	120
--	-----

Deaths from Cancer (all ages)	114
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„ „ Measles (all ages)	1
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„ „ Whooping Cough (all ages)	3
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„ „ Diarrhoea (under 2 years of age).....	8
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BIRTH RATES, CIVILIAN DEATH RATES,
ANALYSIS OF MORTALITY, MATER-
NAL MORTALITY, AND CASE RATES
FOR CERTAIN INFECTIOUS DISEASES IN
THE YEAR 1946.

(England and Wales,
London, 126 Great
Towns and 148
Smaller Towns.)

(Provisional Figures based on Weekly and Quarterly Returns).

	England and Wales	126 County Boroughs and Great Towns, including London	148 Smaller Towns (Resident Populations 25,000 to 50,000 at 1931 Census)	London Adminis- trative County	Borough of Crosby
	Rates per 1,000 Civilian Population				
BIRTHS					
Live	19.1	22.2	21.3	21.5	18.4
Still	0.53	0.67	0.59	0.54	0.38
DEATHS					
All Causes	11.5	12.7	11.7	12.7	13.3
Typhoid and Para- typhoid Fevers	0.00	0.00	0.00	0.00	-
Scarlet Fever	0.00	0.00	0.00	0.00	-
Whooping Cough	0.02	0.02	0.02	0.02	0.05
Diphtheria	0.01	0.01	0.01	0.01	-
Influenza.....	0.15	0.13	0.14	0.12	0.14
Smallpox.....	0.00	0.00	0.00	-	-
Measles	0.00	0.01	0.00	0.01	0.01
	Rates per 1,000 Live Births				
Deaths under 1 year of age	43	46	37	41	53
Deaths from Diarrhoea and Enteritis under 2 years of age	4.4	6.1	2.8	4.2	7.5
	Rates per 1,000 Total Births (Live and Still)				
MATERNAL MORTALITY (England and Wales)					
Abortion with Sepsis (No. 140)	0.13	Other not available	classifications not available		-
Abortion without Sepsis (No. 141).....	0.06				-
Puerperal Infections (No. 147)	0.18				-
Other Causes Nos. 142-6 & 148-150...	1.06				-

A dash (-) indicates that there were no deaths.

VITAL STATISTICS FOR THE AREA YEARS 1900, 1910, 1915 AND 1946

	1900		1910		1915		1946 Borough of Crosby
	Gt. Crosby	W'loo & Seaforth	Gt. Crosby	W'loo & Seaforth	Gt. Crosby	W'loo & Seaforth	
Population ..	7974	22,500	14,300	27,780	13,781	27,473	57,540
	30,474		42,080		41,254		
Births	156	575	247	641	270	619	1,063
	731		888		889		
Birth Rate	19.61	23.00	17.27	23.07	19.73	22.53	18.4
Deaths	100	305	123	274	123	403	770
	405		397		526		
Death Rate	12.57	12.20	8.60	9.86	8.99	14.66	13.3
Deaths of Infants of under 1 year of age.....	12	76	28	51	19	56	57
	88		79		75		
Deaths from : Diphtheria ...	—	3	2	4	4	5	—
Scarlet Fever	—	—	—	2	2	2	—
Cancer	?	5	6	28	8	39	114
Heart Disease	?	24	11	13	11	25	225
Pulmonary Tuberculosis....	?	24	7	25	12	16	47

	Per 1,000 of estimated population				Maternity Mortality rate		Rate of deaths under one year per 1000 live births
	Live birth- rate	Crude death- rate	Death Rate from Tuberculosis of Respiratory System	Death- rate from Cancer	Per 1000 live births	Per 1000 total live & still births	
Mean of 5 years, 1941-1945	17.7	14.2	0.69	2.03	1.80	1.75	59
Year 1945	17.1	13.7	0.65	2.29	1.08	1.06	42
„ 1946	18.4	13.3	0.81	1.98	-	-	53

Increase or decrease in 1946 on—5 years' average 1941-1945

1941-1945	+0.7	-0.9	+0.12	-0.05	-1.80	-1.75	-6
Previous year	+1.3	-0.4	+0.16	-0.31	-1.08	-1.06	+11

**Registrar-General's Short List of causes of Death in the
Borough during the year 1946.**

	Males	Females	Total	Rate
1. Typhoid and Paratyphoid Fevers	—	—	—	—
2. Cerebro-Spinal Fever	—	—	—	—
3. Scarlet Fever...	—	—	—	—
4. Whooping Cough	1	2	3	.05
5. Diphtheria	—	—	—	—
6. Tuberculosis of respiratory system	31	16	47	.81
7. Other forms of Tuberculosis	4	3	7	.12
8. Syphilitic Disease	—	—	—	—
9. Influenza	4	4	8	.14
10. Measles	1	—	1	.02
11. Acute Polio-myelitis and Polio- encephalitis	—	1	1	.02
12. Acute Infectious Encephalitis	1	—	1	.02
13. Cancer of buccal cavity and oesophagus (males), uterus (females)	3	4	7	.12
14. Cancer of stomach and duodenum	9	10	19	.33
15. Cancer of breast	—	9	9	.16
16. Cancer of all other sites	36	43	79	1.37
17. Diabetes	2	—	2	.03
18. Intra-cranial Vascular Lesions	28	54	82	1.42
19. Heart Disease	102	123	225	3.91
20. Other diseases of the circulatory system	7	7	14	.24
21. Bronchitis	31	20	51	.89
22. Pneumonia	8	8	16	.28
23. Other respiratory diseases	5	7	12	.21
24. Ulceration of stomach or duodenum	5	—	5	.09
25. Diarrhoea (under two years of age)	4	4	8	.14
26. Appendicitis	1	1	2	.03
27. Other digestive diseases	6	6	12	.21
28. Nephritis	19	10	29	.50
29. Puerperal and Post-abortive Sepsis	—	—	—	—
30. Other maternal causes	—	—	—	—
31. Premature Birth	10	10	20	.35
32. Congenital Malformations, Birth Injury and Infantile Disease	11	5	16	.28
33. Suicide	2	2	4	.07
34. Road Traffic Accidents	2	3	5	.09
35. Other violent causes	10	9	19	.33
36. All other causes	36	30	66	1.15
TOTAL DEATHS	379	391	770	13.38

SECTION 2

General Provision of Health Services in the Area

HOSPITALS.

SMALLPOX AND OTHER INFECTIOUS DISEASES

There is no Infectious Diseases Hospital in the district, but an arrangement is in force whereby cases are treated in the Liverpool Infectious Diseases Hospitals. Patients are received until the Hospitals are full, the available accommodation being sufficient for the needs of the district.

TUBERCULOSIS

Administered by the County Council.

MATERNITY CASES

There is no Maternity Hospital in the district, but the Liverpool Hospitals are available.

CHILDREN'S AND OTHERS

Waterloo and District General Hospital, also Bootle and Liverpool Hospitals.

Three Institutions in the district receive unmarried mothers, illegitimate infants or homeless children.

AMBULANCE FACILITIES

(a) For Infectious Cases—Liverpool Corporation Motor Ambulance,
(b) For non-infectious cases and accident cases—Motor Ambulances, Bootle General Hospital, Lancashire Public Assistance Committee, and Merseyside Hospitals (Penny in the £ subscribers) Ambulance, and the Borough of Crosby Ambulance Service.

CLINIC AND TREATMENT CENTRES

Services provided by
CROSBY CORPORATION

MATERNITY AND CHILD WELFARE

1. Ante-Natal and Post-Natal Clinics.
 - (a) The Clinic, Prince Street, Waterloo
Friday mornings.
 - (b) Seaforth Clinic, Cecil Road, Seaforth,
Monday afternoons.
2. Child Welfare Clinics.
 - (a) The Clinic, Prince Street, Waterloo.
Monday and Wednesday afternoons.
 - (b) Seaforth Clinic, Cecil Road, Seaforth.
Wednesday afternoons.
 - (c) Alexandra Hall, Crosby.
Tuesday and Thursday afternoons.

Services provided by
CROSBY CORPORATION (Continued)

3. Immunisation Clinic.

- (a) The Clinic, Prince Street, Waterloo.
Alternate Tuesday afternoons.
- (b) Alexandra Hall, Crosby.
Alternate Tuesday afternoons.

4. Artificial Sunlight Clinic.

- (a) The Clinic, Prince Street, Waterloo.
Tuesday mornings and Friday afternoons.

Provided by
LANCS. COUNTY COUNCIL

SHOOL MEDICAL SERVICES

1. Minor Ailments Clinic.

- (a) The Clinic, Prince Street, Waterloo.
Every morning—treatment.
Friday morning—Doctor's consultation.
- (b) Seaforth Clinic, Cecil Road, Seaforth.
Every morning, except Saturday—treatment.
Monday morning—Doctor's consultation.
- (c) Alexandra Hall, Crosby.
Thursday morning—Doctor's consultation.

2. Dental Clinic.

- (a) The Clinic, Prince Street, Waterloo.
Monday, Tuesday, Wednesday and Thursday
mornings and Thursday afternoons.
- (b) Alexandra Hall, Crosby.
Monday, Tuesday, Wednesday and Friday
mornings.
Gas sessions when necessary.

3. Orthodontic Clinic.

- (a) Alexandra Hall, Crosby.
Wednesday afternoons.

4. Ophthalmic Clinic

- (a) The Clinic, Prince Street, Waterloo.
Monday and Wednesday mornings.

5. Ear, Nose and Throat Consultant Clinic.

- (a) The Clinic, Prince Street, Waterloo.
Tuesday mornings when necessary.
- (b) Waterloo Hospital.
Operations when necessary.

Provided by
LANCS. COUNTY COUNCIL

6. Artificial Light Clinic.

- (a) The Clinic, Prince Street, Waterloo.
Tuesday mornings and Friday afternoons.

7. Orthopaedic Clinic.

- (a) The Clinic, Linacre Road, Litherland.
Thursday mornings.

OTHER SERVICES

8. Tuberculosis Clinic.

- (a) The Dispensary, "Ellesmere", Crosby
Road N., Waterloo. By appointment.

9. Venereal Disease Clinics.

- (a) Bootle Hospital.
(b) Liverpool Hospitals.

Miscellaneous.

PROFESSIONAL NURSING IN THE HOME

There are two Nursing Associations in the Borough :

1. The Waterloo and Seaforth Nursing Association which employs two nurses.
2. The Great Crosby Nursing Association which employs three nurses.

MIDWIVES

There are 10 Midwives practising in the district of whom 5 are salaried Midwives appointed to the Borough by the Lancashire County Council participating in the scheme of a National Service of State Midwives. All the Midwives are qualified, holding the certificate of the Central Midwives Board. This number does not include the midwives practising exclusively in the Nursing Homes and Resident Institutions in the Borough.

BACTERIOLOGICAL WORK

All specimens requiring bacteriological examination are submitted to Professor Robinson, City Bacteriologist, City Laboratories, Liverpool.

PUBLIC ANALYST—FOOD & DRUGS ACT, 1938

Professor Roberts, City Analyst, City Laboratories, Liverpool, who was appointed Public Analyst to the Borough of Crosby in 1939 under the provisions of the Food and Drugs Act, 1938, retired in July 1946, and was succeeded by Mr. J. F. Clark.

WATER SUPPLY

Water is supplied to the district by Liverpool Corporation. The chief source of supply is Lake Vyrnwy in Wales. The water is moderately soft in character and is excellent for all domestic purposes. All houses are supplied from the public mains.

The supply in the area over the past year has been satisfactory, both in quality and quantity.

Bacteriological examinations are made regularly by the Liverpool City Bacteriologist, these routine examinations take place in the City of Liverpool and at the Prescot Storage Reservoirs. The results of the chemical analyses have all been satisfactory.

The water is not liable to plumbo-solvent action.

The supplies both from Rivington and Lake Vyrnwy are treated by slow sand filtration and chlorination, and further chlorination is carried out at Prescot Storage Reservoirs.

SCAVENGING

This work is carried out by the Corporation workmen under the supervision of a Cleansing Superintendent directed by the Borough Engineer.

The main roads are cleansed daily, other roads at less frequent intervals—at least once weekly. The district is therefore kept in a clean and tidy state, the whole of the 76 miles of roads with their passages receiving regular attention.

SECTION 3.

Maternity and Child Welfare

VITAL STATISTICS FOR 1946 :—

Live Births	1,063	Live Birth Rate	18.4
Still Births	22	(per 1000 of population)	
		Still Birth Rate	20
		(per 1000 live and still births)	
Total Births	1,085		
Infant Mortality Rate	53		
Maternal Mortality Rate	Nil		

BIRTHS AND STILL-BIRTHS REGISTERED IN THE BOROUGH
SINCE ITS FORMATION

Year	Population	Males	Females	Total	Legit- imate	Illegit- imate	Live Birth Rate per 1000 Pop. Crosby	Live Birth Rate Eng. & Wales	No. of Still- Births Crosby
1937	55,580	443	396	839	816	23	15.0	14.9	41
1938	55,780	417	382	799	770	29	14.3	15.1	32
1939	55,690	378	371	749	721	28	13.4	15.0	33
1940	54,280	423	407	830	791	39	15.2	14.6	7
1941	51,290	413	369	782	737	45	15.2	14.2	25
1942	53,010	492	436	928	876	52	17.5	15.8	39
1943	52,160	491	488	979	914	65	18.7	16.5	34
1944	52,800	553	508	1061	984	77	20.0	17.6	35
1945	53,670	473	450	923	849	74	17.1	16.1	19
1946	57,540	566	497	1063	1013	50	18.4	19.1	22

PUBLIC HEALTH ACT, 1936

Under this Act, 909 live births and 15 still-births were notified during 1946 and 473 births were transferred, from hospitals and nursing homes outside this district, to the area. Of the Births notified and transferred 1020 were visited and 795 re-visits were made to children under the age of one year. 213 births were transferred outside the district

1291 visits were made to children between the ages of one and five years and whenever necessary the parents were advised to obtain medical aid. 182 visits were made to children requiring special attention. Enquiries were made regarding the 15 still-births.

INFANT WELFARE CENTRES

The following table shows the attendances at these clinics and is a good indication of their popularity and usefulness. The clinic for Crosby residents is held at the Alexandra Hall, on Tuesdays and Thursdays, that for Waterloo residents is held at Prince Street on Mondays and Wednesdays, and that for Seaforth residents is held at Cecil Road, Seaforth, on Wednesdays.

Table showing Attendances at Infant Welfare Clinics, 1946.

Month	CROSBY		WATERLOO		SEAFORTH		Totals	
	Under 1 year	1-5 yrs.	Under 1 year	1-5 yrs.	Under 1 year	1-5 yrs.	Under 1 year	1-5 yrs.
January	311	118	122	71	220	124	653	313
February	351	148	198	133	226	144	775	425
March	356	133	123	123	229	115	708	371
April	374	131	132	94	362	134	868	359
May	478	182	285	121	253	109	1016	412
June.....	378	149	172	100	277	42	827	291
July	396	113	345	114	354	82	1095	309
August	500	145	190	90	287	54	977	289
September	487	35	391	165	253	56	1131	256
October	696	167	346	91	404	100	1446	358
November	513	95	339	88	251	102	1103	285
December	320	55	276	46	170	55	766	156
Totals	5160	1471	2919	1236	3286	1117	11365	3824

The Ladies of the Health Society continue to do excellent work in connection with Maternity and Child Welfare. During the year they have given assistance to a large number of necessitous families, including nursing and expectant mothers. Each case was personally investigated and the circumstances considered by them. Virol, Irradex, Maltoline and Dried Milk was supplied free or at reduced prices upon the instructions of the Society, the difference in cost being reimbursed to the Corporation out of the Society's funds. Babies garments were made by members of the Society, and supplied at cost price.

ANTE-NATAL AND POST-NATAL CLINICS

The County Midwives continue to attend the ante-natal clinic with their patients and close co-operation is maintained between the Midwives and the Health Visitors. Where necessary patients are referred to hospital for special advice, treatment or investigation. A number of patients have been referred for dental treatment and in special circumstances have been treated by the Clinic Dentist. For these patients dentures are supplied either free of charge or at less than cost price.

Attendances at Ante-Natal and Post-Natal Clinics.

Clinic	No. of Notified Births	No. of Expectant and recent Mothers who attended Clinic	Total Attendances to Clinic	% of number attended to number of notified births	
				1946	1945
Ante-Natal	909	428	1531	47.1	39.5
Post-Natal	909	57	138	6.3	9.1

Of the 485 cases who attended the ante-natal and post-natal clinics a large number were referred to the clinic by local practitioners and by the midwives practising in the district. A small number were recommended to attend after leaving hospitals and nursing homes.

In addition to the attendances at the clinic the health visitors made 66 first visits and 23 re-visits to the homes of these cases.

ARTIFICIAL SUNLIGHT CLINIC.

Artificial Sunlight treatment was given to mothers and children suffering from anaemia, rheumatism, debility, enlarged glands and other conditions.

During the year 109 new cases received treatment, each one being examined by the Assistant Medical Officer before and during the course. A total of 1,165 attendances was made.

AURAL CLINIC

Before treatment at the aural clinic all children are examined by the Medical Officer who then recommends suitable cases for treatment. During 1946, 45 new cases were treated and 219 re visits of children for treatment were recorded.

PUBLIC HEALTH ACT, 1936—CHILD LIFE PROTECTION

Provision has been made for carrying out the duties under Sections 206 to 220 of this Act. The Senior Health Visitor is appointed Child Life Protection Visitor and during the year she made 85 visits to children in the care of foster parents.

The children were generally well cared for.

There are now on the register 11 registered foster parents having the care of 12 children.

OPHTHALMIA NEONATORUM

CASES				
Number Notified	Treated		Unimpaired Vision	Deaths
	At Home	In Hospital		
—	—	—	—	—

INFANT MORTALITY, 1946.

Deaths of Infants under one year of age.

	Total	Under 1 wk.	1-4 wks.	1-3 mths.	3-6 mths.	6-9 mths.	9-12 mths.
Prematurity	20	16	4	—	—	—	—
Gastro-Enteritis	9	1	2	4	2	—	—
Broncho Pneumonia	5	—	—	2	2	1	—
Asphyxia	3	2	—	1	—	—	—
Marasmus	3	—	—	1	1	1	—
Icterus Gravis	2	1	1	—	—	—	—
Convulsions	2	—	—	1	1	—	—
Atelectasis	2	2	—	—	—	—	—
Cerebral Haemorrhage....	1	—	—	1	—	—	—
Bronchitis	1	—	—	—	—	1	—
Abnormal Delivery	1	1	—	—	—	—	—
Difficult Birth	1	1	—	—	—	—	—
Erythroblastosis	1	1	—	—	—	—	—
Hydrocephalus	1	—	—	1	—	—	—
Spina Bifida	1	1	—	—	—	—	—
Congenital Deformity	1	1	—	—	—	—	—
Haemorrhagic Dis. of Inf.	1	—	1	—	—	—	—
Otitis Media	1	—	—	1	—	—	—
Intussusception	1	—	—	—	—	—	1
TOTALS	57	27	8	12	6	3	1

This total of 57 deaths shows an Infant Mortality rate of 53 per 1,000 live births

**Numbers of Deaths of Infants under One Year of Age,
during each Year since Formation of Borough**

YEAR	TOTAL		LEGITIMATE		ILLEGITIMATE	
	M	F	M	F	M	F
1937	26	21	24	20	2	1
1938	27	20	24	17	3	3
1939	28	25	25	18	3	7
1940	29	24	24	23	5	1
1941	40	26	34	23	6	3
1942	29	28	28	25	1	3
1943	31	19	25	16	6	3
1944	31	27	23	25	8	2
1945	22	17	19	14	3	3
1946	33	24	30	21	3	3

MATERNAL MORTALITY

There were no maternal deaths in the Borough during the year.

CARE OF ILLEGITIMATE CHILDREN

These children receive the attention of our Health Visitors, but cases of particular difficulty are referred to the Lancashire County Council, who employ a specially trained Almoner for this work.

CARE OF PREMATURE INFANTS

Sixty premature babies were born during 1946 to mothers normally resident in the Borough.

Particular attention is given to such cases by the Health Visitors, who arrange for the supply of draught proof cots, gamgee jackets and special feeding bottles where necessary.

The services of a Home Help are available, or where removal to hospital is advised, this is carried out by the Borough Ambulance Service.

HOME AND DOMESTIC HELPS

This service was successfully operated during 1946, seven whole-time and one part-time helps being employed at the end of the year. Assistance was given in 85 cases, the charge varying with the means of the recipient in accordance with a scale approved by the Council.

SECTION 4.

Immunisation

DIPHTHERIA

The facilities for immunisation against Diphtheria which have been available to residents for several years were continued during 1946. Up to 1942, unless otherwise requested, immunisation in this Borough was always in respect of both Diphtheria and Scarlet Fever, but during 1943 a change of policy was made and immunisation against Diphtheria only is now offered.

The prophylactics used are supplied by Messrs. Burroughs, Wellcome & Co., and the dosage is as follows:—

3 Fortnightly doses of 1 c.c. T.A.F.

	Under 5 yrs.	5-15 yrs.	Total
Number of children who have completed a full course of immunisation during the year 1946	523	68	591
Estimated number of the child population who have completed a full course of immunisation by the end of 1946	1586	4448	6034
Percentage of the child population treated at the end of 1946	34%	55%	47½%

DIPHTHERIA IMMUNISATION

Age	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946
0+	16	13	7	1	2	4	2	18	20	1	3	2	26
1+	59	33	23	15	21	15	20	131	229	180	210	299	361
2+	40	29	17	8	27	37	78	90	160	86	110	162	51
3+	61	94	26	6	27	32	75	83	145	41	30	76	52
4+	48	33	26	9	26	58	78	96	154	37	34	34	33
5+	77	80	43	16	52	56	23	105	205	75	24	32	20
6+	44	38	29	11	38	47	22	75	170	35	37	31	14
7+	37	30	18	7	32	47	12	52	133	31	27	11	10
8+	65	63	27	24	43	38	10	59	136	30	13	6	4
9+	48	34	11	9	14	30	8	30	120	36	17	2	8
10+	46	34	24	6	30	34	6	42	131	37	21	7	6
11+	35	38	24	6	16	34	6	23	113	46	12	2	—
12+	51	64	27	16	26	50	9	22	106	46	13	2	3
13+	28	36	14	10	15	35	6	13	103	17	15	2	3
14+	17	8	—	2	8	52	6	2	31	12	6	1	—
15+	15	10	1	10	74	18	2	18	1	24	—	—	1
	687	637	317	156	451	587	363	859	1957	734	572	669	592

Total number of children under five years of age: 1,586.

Total number of children from 5 to 15 years of age: 4,448.

SECTION 5.

During the year, 206 samples of food were purchased and submitted for analysis, of these 96 were formal samples, and 110 informal, full details being set out in the following table:—

Article	Number Examined			No. adulterated or otherwise giving rise to irregularity			No. of Vendors Warned	Inform-ations laid
	Formal	Informal	Total	Formal	Informal	Total		
Almond Subs. Powder	—	1	1	—	—	—	—	—
Barley	—	2	2	—	—	—	—	—
Black Puddings	—	1	1	—	—	—	—	—
Baking Powder.....	—	1	1	—	—	—	—	—
Benergy	—	1	1	—	—	—	—	—
Bun Flour.....	—	1	1	—	—	—	—	—
Butter	—	1	1	—	—	—	—	—
Beef & Veal Cumberland Sausage..	—	1	1	—	—	—	—	—
Bread.....	—	1	1	—	—	—	—	—
Brawn	—	3	3	—	—	—	—	—
Brandy Flavouring Ess.	—	1	1	—	—	—	—	—
Bouillon Cubes.....	—	1	1	—	—	—	—	—
Cream of Tartar	—	1	1	—	—	—	—	—
Coffee	—	1	1	—	—	—	—	—
Cake and Pudding Mixture	—	2	2	—	—	—	—	—
Celery Salt	—	1	1	—	—	—	—	—
Chocolate Cup	—	1	1	—	—	—	—	—
Cooking Fats and Compound	—	2	2	—	—	—	—	—
Culinary Herbs	1	—	1	1	—	1	1	—
Custard Flavour	—	1	1	—	—	—	—	—
Custard Tart	—	1	1	—	—	—	—	—
Cayenne (ground)	—	1	1	—	—	—	—	—
Cake Flour	—	1	1	—	—	—	—	—
Caraway Seeds	—	1	1	—	—	—	—	—
Cyder	—	1	1	—	—	—	—	—
Cough Mixture	—	1	1	—	—	—	—	—
Dessert Mould	—	1	1	—	—	—	—	—
Dessert Powder	—	1	1	—	1	1	1	—
Digestive Tablets.....	—	1	1	—	—	—	—	—
Date Pudding	—	1	1	—	—	—	—	—
Edible Cake Decorations	—	1	1	—	—	—	—	—
Forcemeat	—	1	1	—	—	—	—	—
Fish Cakes	—	2	2	—	—	—	—	—
Fish Paste	—	6	6	—	—	—	—	—
Food Flavouring Compound	—	3	3	—	—	—	—	—
Gin	4	—	4	1	—	1	—	1
Gelatine	1	1	2	—	—	—	—	—
Gravy Browning	—	4	4	—	1	1	—	—
Ginger (ground)	—	1	1	—	—	—	—	—
Grape Saline	—	1	1	—	—	—	—	—
Horseradish Sauce	—	2	2	—	—	—	—	—
Herring and Tomato Paste.....	1	—	1	—	—	—	—	—
Honey	—	1	1	—	—	—	—	—
Jam	—	1	1	—	—	—	—	—
Jelly Making Compound	1	2	3	1	1	2	1	—
Carried Forward	8	60	68	3	3	6	3	1

Article	Number Examined			No. adulterated or otherwise giving rise to irregularity			No. of Vendors Warned	Informations laid
	Formal	Informal	Total	Formal	Informal	Total		
Brought Forward	8	60	68	3	3	6	3	1
Junket Powder	—	1	1	—	1	1	1	—
Lemonade Crystals	—	2	2	—	—	—	—	—
Mint in Vinegar	—	1	1	—	—	—	—	—
Milk	80	—	80	5	—	5	2	2
Margarine	—	1	1	—	—	—	—	—
Meat Paste	2	—	2	2	—	2	—	2
Malted Food	—	1	1	—	1	1	—	—
Malted Drink	—	1	1	—	—	—	—	—
Malt Cocoa Spread	—	1	1	—	—	—	—	—
Malt and Egg Chocolate Flavour	—	1	1	—	—	—	—	—
Meat Pies	—	1	1	—	—	—	—	—
Mussels in Vinegar (Potted)	—	1	1	—	—	—	—	—
Mustard Sauce	—	1	1	—	—	—	—	—
Mustard	—	1	1	—	—	—	—	—
Mineral Water	—	1	1	—	—	—	—	—
Pea Flour (prepared)	—	1	1	—	1	1	—	—
Parsley	—	1	1	—	—	—	—	—
Patent Milk Food	—	1	1	—	—	—	—	—
Potted Herring & Tomato Sauce	—	1	1	—	1	1	—	—
Potted Meat Paste	—	3	3	—	1	1	—	—
Polony	—	1	1	—	—	—	—	—
Piccalilli	—	2	2	—	—	—	—	—
Pineapple Flavour	—	1	1	—	—	—	—	—
Pork and Beef Paste (Potted)	—	1	1	—	—	—	—	—
Rum	3	—	3	2	—	2	—	2
Steamed Pudding	—	—	—	—	—	—	—	—
Mixture (Ginger)	—	1	1	—	1	1	—	—
Strawberry Mould	—	1	1	—	—	—	—	—
Spring Salts	—	1	1	—	—	—	—	—
Soup Powder	—	2	2	—	—	—	—	—
Soup Powder (Tinned)	—	3	3	—	1	1	—	—
Sage	—	1	1	—	—	—	—	—
Spiced (mixed)	—	1	1	—	—	—	—	—
Sauce	—	1	1	—	—	—	—	—
Salmon (Tinned)	—	1	1	—	—	—	—	—
Sausages	—	3	3	—	1	1	1	—
Thyme (dried)	—	2	2	—	1	1	—	—
Tea	—	1	1	—	—	—	—	—
Vegetable Extract	—	1	1	—	1	1	1	—
Vinegar	—	4	4	—	—	—	—	—
Vapour Inhalant	—	1	1	—	—	—	—	—
Whisky	3	—	3	1	—	1	—	—
Totals for Year...	96	110	206	13	13	26	8	7

Of the 206 samples taken and submitted for analysis 26 or 12.1 per cent. were reported as falling short of the required standard composition, as being definitely adulterated, or giving rise to irregularities. Details of these samples are set out in the following table:—

Serial No.	Article	Formal (F) or Informal (I)	Nature of Adulteration or Irregularity	Observations
7	Jelly Making Compound Orange Flavour	I	Contained 160 parts of Zinc per million	Manufacturers asked to account for the presence of zinc. Formal sample obtained.
14	Malted Food.	I	Not in accordance with the formula stated on the container.	Communicated with the manufacturers who submitted specimen of amended label.
16	Gravy Browning	I	Not labelled in accordance with provisions of the Labelling of Food (No. 2) Order, 1944	Sample proved to be the last bottle of old stock—new stock correctly labelled—No action taken.
21	Parsley	I	Contained 0.5 per cent excess sand and siliceous matter.	No action taken.
29	Meat Paste	F	Deficient in Meat—(Meat not more than 24 per cent).	Case dismissed.
30	Culinary Herbs —Parsley	F	Contained 4 per cent excess sand and siliceous matter.	Wholesaler warned.
31	Jelly Making compound Orange Flavour	F	Contained 130 parts of zinc per million	Manufacturer warned.
33	Rum	F	Contained 10.7 per cent excess water.	Fined £5 0s. 0d. and £2. 2s. 0d. costs.
47	Milk	F	Deprived of 6 per cent of its milk fat.	Vendor Warned.
48	Milk	F	Deprived of 8 per cent of its milk fat	Vendor Warned.

Serial No.	Article	Formal (F) or Informal (I)	Nature of Adulteration or Irregularity	Observations
50	Whisky	F	Contained 2 milligrammes of deposit consisting of structures of barley and other vegetable debris, animal hair and dust.	Vendor interviewed.
51	Rum	F	Contained 4.4 per cent excess water	Fined £3. 0s. d. and £2. 2s. 0d. costs.
52	Gin	F	Contained 4.1 per cent excess water	Fined £3. 0. 0d. and £2. 2s. 0d. costs.
59	Potted Herring and Tomato Paste	I	Deficient in Fish—(Fish approximately 56 per cent.)	Formal sample to be obtained.
78	Milk	F	Deprived of 13 per cent of its milk fat	Legal proceedings being taken.
85	Dessert Mould	I	Did not comply with the Labelling of Food (No. 2) Order, 1944.	Vendor Warned.
87	Vegetable Extract	I	Did not comply with the Labelling of Food (No. 2) Order, 1944.	Vendor Warned.
89	Milk	F	Slightly watered 5.60 per cent Fat, 8.42 per cent other solids. Freezing Point (Hortvet)—0.528 C.	Further sample to be taken.
95	Potted Meat Paste	I	Deficient in Meat—(Meat not more than 24 per cent).	Formal sample obtained and submitted for analysis.
100	Meat Paste	F	Deficient in Meat—(Meat not more than 40 per cent).	1. "Article not of nature, substance and quality demanded"—Fined £10 and £5. 5s 0d costs. 2. "Giving false warranty"—Fined £10 and £5. 5s. 0d. costs.
106	Milk	F	Contained 12 per cent added water.	Case against vendor dismissed. Employee fined £5 with £5. 5s. 0d costs.

Serial No.	Article	Formal (F) or Informal (I)	Nature of Adulteration or Irregularity	Observations
140	Junket Powder Cherry Flavour	I	Did not comply with the Labelling of Food (No. 2) Order, 1944.	Vendor Warned.
149	Steamed Pudding Mixture (Ginger)	I	Contained large numbers of living and dead acari and was unfit for human consumption.	Only a few packets of this commodity in stock, surrendered by vendor and destroyed.
170	Canned Hare Soup	I	Deficient in solids to the extent of 31 per cent and in proteins to the extent of 20 per cent.	Correspondence with manufacturers who stated last canning of Hare Soup was in 1943 —No other action taken.
186	Pork Sausage	I	Slightly deficient in meat (Meat 46 per cent.)	Vendor warned.
205	Thyme	I	Contained 3.25 per cent excess sand and siliceous matter.	Formal Sample to be obtained.

LANCASHIRE COUNTY COUNCIL (RIVERS BOARD AND GENERAL POWERS) ACT, 1938

Sections 115 and 116 of this Act, which came into operation on the 1st of April, 1939, have been adopted by the Corporation and were administered during 1946. All persons and premises classified under the provisions of these sections of the Act have been visited and the Inspectors reports show that a high standard of cleanliness is being maintained.

These Sections provide for:—

1. The Registration of Hawkers of Meat, Fish, Fruit and Vegetables, and of their premises (if any) for the storage of such goods.
2. The Registration of premises used in connection with the manufacture, sale or storage of ice cream.
3. The Registration of premises used in connection with the manufacture of sausage, potted, pressed, pickled or perserved meat, fish or other food intended for sale.

ICE CREAM

The manufacture of ice cream was resumed during the year. All premises at which this commodity is manufactured or sold were inspected, and 18 samples were taken for bacteriological examination. In one case the ingredients of which the ice cream was composed was also examined bacteriologically. 159 visits of inspection were made during the year.

MEAT AND OTHER FOODS

There are no slaughterhouses in the Borough. Practically all the meat which comes into this area is from the Liverpool Corporation Abattoir.

The inspection of food premises is carried out by inspectors possessing the necessary qualifications. Shops, vehicles and premises where food is prepared, stored, conveyed or sold are kept under constant supervision. In carrying out this work the following visits of inspection were made:

Butchers Shops, 151 visits.

Other Food Shops, Vehicles and Premises, 354 visits.

The following articles of food, being unfit for human consumption, were voluntarily surrendered, and where necessary, destroyed. In certain cases, on the undertaking that it would not be used for human consumption, the food was returned to the wholesaler or the Ministry of Food, and utilised for other purposes.

Anchovy	25 jars	Pudding Mixture	51 pkts.
Barley (pearl)	62 lbs.	Raisins	30 lbs.
Barley Flakes	100 lbs.	Sausage (beef)	18 lbs.
Beef Paste	2 jars	Sauce	46 pkts.
Butter	3 lbs.	Soya Flour	643 lbs.
Beetroot (Dried)	3½ lbs.	Sausage Meal	1 cwt.
Cheese	1 lb.	Whiting (smoked)	27 stone
Chocolate Spread	30 pkts.	Yeast (Dessicated)	1 lb.
Codfish	49 lbs.	Biscuits	1 tin
Corned Beef	4 lbs.	Beef (minced)	4 tins
Cream (Synthetic)	4 galls.	Beef Loaf	10 tins
Dessert Mould	44 pkts.	Fruit	57 tins
Dates	15 lbs.	Fish	145 tins
Dried Eggs	30 lbs.	Fish Paste	4 tins
Fish Paste	1 lb.	Jam	6 tins
Fruit Cordials	17 bottles	Lamb and Green Peas	64 tins
Filletts (Spiced)	20 jars	Milk (Condensed)	34 tins
Haddock	169 lbs.	„ (Dried)	1 tin
Jam	13 lbs.	„ (Evaporated)	194 tins
Lamb's Tongues	7 lbs.	Marmalade	4 tins
Lemon Cheese	2 lbs.	Meat (Luncheon)	6 tins
Marmalade	8 lbs.	Meat (Sausage)	6 tins
Meat Extract ..	1 jar	Meat & Veg. Ration	9 tins
Mince meat	3 lbs.	Puddings	2 tins
Milk	5 galls.	Shortbread	1 tin
Onions	168 lbs.	Steak (Stewed)	25 tins
Oranges	5 cases	Soups ..	14 tins
Ox tongue	13 lbs.	Shellfish	16 tins
Pickles (mixed)	3 jars	Syrup	1 tin
Peas	24½ lbs.	Vegetables ..	240 tins
Pork Luncheon Meat	4½ lbs.	Veal Loaf	1 tin

MILK SUPPLY 1946

At the end of 1946, there were 19 cowkeepers on the register. The number of dairies and milk shops on the register, other than those belonging to cowkeepers, is 20.

The visits of inspection made during the year numbered 369. 95 samples of milk taken in the Borough and submitted for examination: 6 or 6.3% were found to contain tubercle bacilli. The County Medical Officer of Health was notified in each instance, and examination of the respective herds was subsequently carried out by the Veterinary Inspectors of the Ministry of Agriculture and Fisheries. The animals found to be infected were removed and slaughtered.

CLEANLINESS OF MILK SUPPLY

The standard of cleanliness adopted by the Corporation is B.Coli absent in 1/100 c.c., and the milk to satisfy a methylene blue test.

95 samples of milk were submitted for bacteriological examination during the year, and of these 56, or 59 per cent reached the required standard of cleanliness; 39 were found to have B.Coli present in 1/100 c.c. and 19 failed to pass the methylene blue test.

All producers of samples failing to reach the required standard were visited and requested to exercise more care in their methods of production and in the handling and storage of milk supplies.

The constant drift of skilled labour to other occupations, the acute shortage of dairy apparatus and spare parts, the expense and difficulty experienced in carrying out much needed repairs to dairy premises, and the greatly increased consumption of liquid milk all contribute to the present low standard of our milk supply.

MILK (SPECIAL DESIGNATIONS) ORDER, 1936

Five cowkeepers hold licences from the Lancashire County Council for the production of accredited milk.

The Corporation granted 'dealers' licences to 18 purveyors of tuberculin tested milk, and to one purveyor of pasteurised milk. In addition five supplementary licences to use the designations Tuberculin Tested or Pasteurised in relation to milk retailed in the Borough were granted to purveyors of milk retailing in the Borough by deliveries from dairies in neighbouring areas.

BAKEHOUSES

At the end of 1946 there were 34 bakehouses in the Borough, 3 of these being basement bakehouses. All bakehouses were inspected, and generally were found to be maintained in a clean and satisfactory condition, 39 visits being made during the year.

In several instances bakehouses were noticed to be in need of cleansing and limewashing, and on notifying the occupier the matter was promptly remedied. Various minor defects were noted and on intimation were subsequently rectified.

In accordance with the provisions of Section 54 of the Factories Act, 1937, Certificates of Suitability are in existence in respect of the three basement bakehouses.

SECTION 6

Prevalence of, and Control over Infectious Diseases

INFECTIOUS DISEASES NOTIFIED

During the year 699 cases of infectious diseases were notified. The figure gives a general attack rate of 12.1 per 1000 of the estimated population. The following table gives details of the cases notified, removed to hospital, etc.

DIPHTHERIA

28 cases of Diphtheria were notified during 1946 as compared with 40 cases in 1945. Of the 28 cases notified, 20 were children under 15 years of age, 5 of whom had not been immunised.

GENERAL

Enquiries were made into each case of infectious disease notified, 334 visits being made by the Sanitary Staff under this heading. Intimations were sent to the Education Department regarding all school children from houses where cases occurred, and when necessary, similar intimations were sent to the Public Libraries.

DISINFECTION

Disinfection was carried out at all houses where infectious disease occurred, entailing the disinfection of 299 rooms at 343 premises. In addition, 3089 articles of clothing, bedding, etc., and 408 library books were removed from such houses and treated at the disinfecting stations.

Table of Infectious Diseases

Disease	Number of cases originally notified	Number removed to Hosp.	Total cases after revision of diagnosis	Summary of age groups.										65 & over	Total deaths	
				Under one	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45			45-65
Scarlet Fever	122	60	122	—	1	4	4	7	49	31	15	7	3	1	—	—
Whooping Cough	94	6	94	12	7	15	12	16	27	2	1	—	2	—	—	3
Diphtheria & Membranous Group	28	28	15	—	1	—	1	4	4	—	1	4	—	—	—	—
Measles	378	7	378	8	34	46	52	52	171	8	1	6	—	—	—	1
Acute Primary or Influenzal Pneumonia	21	—	21	—	—	2	1	2	4	—	1	3	1	5	2	16
Cerebro-spinal Fever	7	5	6	—	—	1	1	—	1	—	1	2	—	—	—	—
Acute Poliomyelitis	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	1
Acute Polio-encephalitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute Encephalitis Lethargica	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dysentery	6	2	6	1	1	—	2	—	—	1	—	—	1	—	—	—
Ophthalmia Neonatorum	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Pyrexia	1	—	1	—	—	—	—	—	—	—	—	1	—	—	—	—
Smallpox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enteric or Typhoid Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas	9	2	9	—	—	—	—	—	—	—	—	1	1	6	1	—
Malaria	1	—	1	—	—	—	—	—	—	—	—	1	—	—	—	—
Cholera	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Plague	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Typhus Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Relapsing Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
German Measles	31	—	31	2	4	1	2	—	14	5	—	3	—	—	—	—
TOTALS	699	111	685	23	48	69	75	81	270	47	21	28	8	12	3	21

**Infectious Diseases (other than Tuberculosis) Notified
by Months during 1946**

MONTH	Scarlet Fever	Diphtheria	Pneumonia	Cerebo-Spinal F.	Puerperal Pyrexia	Ophthalmia Neon.	Erysipelas	Measles	German Measles	Whooping Cough	Malaria	Dysentery	Paratyphoid	Poliomyelitis	Totals
January	13	1	4	-	-	-	2	6	-	-	-	2	-	-	28
February	19	2	1	1	1	-	-	26	2	12	-	-	-	-	64
March	20	1	3	-	-	-	-	20	-	13	-	1	-	-	58
April	20	-	2	-	-	-	-	16	5	4	-	2	-	-	49
May	9	3	1	-	-	-	-	19	9	11	-	-	-	-	52
June	9	2	-	1	-	-	-	21	-	3	-	-	-	-	36
July	1	2	2	-	-	-	3	23	5	2	-	-	-	-	38
August	1	-	1	2	-	-	-	16	-	7	-	-	-	-	27
September.....	5	2	3	-	-	-	-	5	1	10	-	-	-	-	26
October.....	10	1	-	1	-	-	1	18	-	14	1	-	-	-	46
November.....	3	-	-	1	-	-	2	83	5	8	-	1	-	-	103
December.....	12	1	4	-	-	-	1	125	4	10	-	-	-	1	158
Totals	122	15	21	6	1	-	9	378	31	94	1	6	-	1	685

BACTERIOLOGICAL WORK

The following specimens were submitted to Professor Robinson, City Bacteriologist, Liverpool, for examination:—

<i>Specimens submitted</i>	<i>Examination requested for</i>	<i>No. examined</i>	<i>No. positive</i>
Swabs	Diphtheria Bacilli	136	7
Swabs	Haemolytic Streptococci.....	33	16
Faeces	Enteric Organisms	7	—
Urine	Enteric Organisms	2	—
Blood	Typhoid	1	1
Swabs	Vincent's Angina	6	—
Swabs	Eye Organisms.....	3	2
Swabs	Tubercle Bacilli	1	—

Number of Deaths from Infectious Disease during each Year
since the Formation of the Borough

Disease	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946
Typhoid & Paratyphoid	—	—	—	—	2	—	1	—	—	—
Measles	2	7	—	—	—	1	—	1	—	1
Scarlet Fever	—	—	2	—	—	—	—	—	—	—
Whooping Cough	4	1	4	—	9	—	1	1	—	3
Diphtheria	5	7	11	7	8	5	1	1	—	—
Cerebro- Spinal Fever	2	—	1	1	2	3	2	1	2	—
Pneumonia All forms	34	30	25	23	49	23	38	30	22	16
Smallpox	—	—	—	—	—	—	—	—	—	—
Poliomyelitis	—	—	—	1	1	—	—	—	—	1
Polioencepha- litis	—	—	—	—	—	—	—	—	—	—
Encephalitis Lethargica	1	1	2	1	—	1	2	—	—	—

**Number of Cases of Infectious Disease during each Year
since the Formation of the Borough**

Disease	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946
Smallpox	—	—	—	—	—	—	—	—	—	—
Enteric Fever	7	8	2	5	34	—	1	—	—	—
Scarlet Fever	83	124	474	109	76	53	104	150	140	122
Measles	278	474	28	893	72	328	534	515	145	378
German Measles	14	20	10	540	51	9	25	89	35	31
Diphtheria	87	223	146	103	181	149	80	41	40	15
Puerperal Pyrexia	1	2	4	6	2	2	4	—	1	1
Ophthalmia Neonatorum	4	8	9	19	9	1	2	—	2	—
Erysipelas	20	23	27	32	15	14	16	15	17	9
Cerebro-Spinal Fever	—	—	1	17	17	4	6	9	4	6
Poliomyelitis	—	2	—	2	—	—	—	1	1	1
Typhoid Fever & Paratyphoid	—	—	—	—	—	—	5	3	2	—
Pneumonia	63	36	38	74	73	42	82	42	26	21
Whooping Cough	37	4	1	26	138	19	48	41	22	94
Trachoma	1	—	—	—	—	—	—	—	—	—
Relapsing Fever	1	—	1	—	—	—	—	—	—	—
Polio-encephalitis	—	—	—	1	—	—	—	—	—	—
Malaria	—	—	—	1	1	1	—	4	1	1
Dysentery	—	—	—	—	—	1	—	2	1	6
Included in the figures for the War Years 1939-1945 are these cases of Infectious Disease among non-civilians in the Borough.			—	61	19	17	16	21	5	

SECTION 7.

Tuberculosis

Under the Public Health (Tuberculosis) Regulations, 1930, 109 new cases were notified in 1946 as suffering from this disease, 96 pulmonary cases and 13 non-pulmonary cases.

In the same period 54 cases were removed from the register after notification of death.

Details of all new cases and deaths are given in the table below.

Comparative figures for 1945, at 84 cases notified and 39 cases removed from the Register after death, indicate an increase in the incidence of this disease during 1946.

In accordance with the provisions of the Public Health (Tuberculosis) Regulations, 1940, particulars of all cases falling within the specified age groups were sent to the County Medical Officer of Health for transmission to the Ministry of Labour and National Service.

The activities of the Lancashire County Council Dispensing Organisation, which is responsible for the treatment of tuberculosis within the Borough, were well maintained during the year. Good co-operation exists between this Department and the local Dispensary.

Age Groups	NEW CASES					DEATHS				
	Pulmonary		Non-Pulmonary		Total	Pulmonary		Non-Pulmonary		Total
	M.	F.	M.	F.		M.	F.	M.	F.	
0+ .....	....	....	....	....	....	....	....	....	1	1
1+ .....	....	....	3	2	5	....	....	2	2	4
5+	1	1	1	..	3	1	....	....	....	1
10+	1	....	3	1	5	....	....	1	....	1
15+	3	2	1	....	6	1	1	....	....	2
20+	11	13	....	....	24	1	1	....	....	2
25+	10	13	....	....	23	4	4	....	....	8
35+	10	8	....	1	19	8	5	....	....	13
45+	11	....	1	....	12	8	3	....	....	11
55+	8	1	....	....	9	5	1	1	....	7
65+	2	1	....	....	3	3	1	....	....	4
Totals	57	39	9	4	109	31	16	4	3	54

**Incidence of Tuberculosis in Crosby since the
Formation of the Borough**

Years	New Cases			Deaths from Tuberculosis		
	Pulmonary	Non-Pulmonary	Total	Pulmonary	Non-Pulmonary	Total
1937	66	19	85	35	6	41
1938	58	20	78	35	4	39
1939	53	23	76	26	5	31
1940	71	12	83	41	5	46
1941	77	18	95	47	12	59
1942	70	15	85	40	4	44
1943	73	20	93	40	2	42
1944	84	20	104	36	8	44
1945	68	16	84	36	3	39
1946	96	13	109	47	7	54

SECTION 8

Shops Acts, 1912-1938

The routine inspection of shops under the above Acts was continued during 1946. A total of 288 inspections was made during the year, and defects and contraventions discovered were referred to the persons responsible. These matters received prompt attention and were dealt with informally. At the end of the year there were 939 occupied shops on the register. There are very few empty shops in the area.

SECTION 9

Factories Act, 1937

All factories in the district have been inspected, 296 visits having been made.

HOME WORKERS

Occupiers of factories from which work of certain kinds is given out are compelled to keep a list of outworkers employed by them, and to send a copy of the list to the Local Authority in February and August of each year. Such lists were received relating to four outworkers.

The home workers were visited on each occasion and the premises found to be satisfactory.

SECTION 10

Housing and Environmental Hygiene

NUMBER OF NEW HOUSES ERECTED DURING THE YEAR

(a). Total	82
1. By the Local Authority.....	18
2. By other Local Authorities	Nil
3. By other bodies or persons	24
4. War-damaged houses re-built	40
(b). With State Assistance under the Housing Acts:—	
1. By the Local Authority.....	Nil
2. By other bodies or persons	Nil

INSPECTION OF THE DISTRICT

During the year 2920 premises were inspected in the district. As a result of these inspections it was necessary to serve 2155 preliminary notices on the owners or occupiers. In the majority of cases these notices received prompt attention. In some instances it was necessary to report the existence of nuisances to the Health Committee and Statutory Notices were ordered to be served. It was found necessary to serve 354 Statutory Notices. The various premises were visited during the progress of the work with the object of ensuring that the nuisances enumerated in the notices were satisfactorily abated, the number of such re-inspections being 7766. During the year 7193 nuisances were discovered and 6165 abated.

In six cases legal proceedings were instituted for failure to comply with statutory notices, and orders were made by the court requiring the defendants to carry out the necessary work.

Intimations were sent to the Borough Engineer's Department on 125 occasions regarding the following matters noted during inspections of the district.

Dangerous Buildings	10
Choked or damaged sewers or drains	60
Defective paving	17
Removal of refuse and debris	9
Complaints re A.R.P. shelters	4
Complaints re public conveniences	3
Other sundry complaints	22

In all cases the intimations received prompt attention.

INSPECTION OF DWELLING-HOUSES DURING THE YEAR

1. (a). Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) 2,920
- (b). Number of inspections made for the purpose 10,686
2. (a). Number of dwelling-houses (included under (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 —
- (b). Number of inspections made for the purpose —
3. Number of houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation —
4. Number of dwelling-houses (exclusive of (3) above) found not to be in all respects reasonably fit for human habitation 2,155

REMEDY OF DEFECTS WITHOUT SERVICE OF FORMAL NOTICES

- Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers..... 1,858

ACTION UNDER STATUTORY POWERS

Proceedings under Public Health Acts:—

- (1). Number of dwelling-houses in respect of which notices were served requiring defects to be remedied 354
- (2). Number of dwelling-houses in which defects were remedied after service of formal notices:—
 - (a). By owners 442
 - (b). By Local Authority in default of owners —

Proceedings under Sections 11 and 13 of the Housing Act, 1936:—

- (1). Number of dwelling-houses in respect of which Demolition Orders were made —
- (2). Number of dwelling-houses demolished in pursuance of Demolition Orders —

OVERCROWDING

There can be no doubt that there is much overcrowding in the Borough, though its exact extent is difficult to assess.

The high post-war marriage rate, the difficulty in obtaining materials for much needed new houses, and the very natural demand for a better standard of accommodation make this a pressing problem, and one whose seriousness is likely to increase for some time to come.

OFFENSIVE TRADES AND FISH FRIERS

There are now no premises in the Borough at which offensive trades are carried on.

There were 27 fish frying establishments on the register at the end of 1946. 85 visits of inspection were made during the year and in all cases the premises were found to be maintained in a clean and satisfactory condition. Minor matters discovered on inspection were all remedied informally.

HOUSE REFUSE

This work is carried out under the direction of the Borough Engineer and is supervised by the Cleansing Superintendent.

For the removal of household refuse the Pagefield System is in operation, except for Hightown and Little Crosby area; the removal of refuse is by means of a covered motor vehicle. In Little Crosby Village where the closet and refuse accommodation is mainly of the privy midden type, the middens are emptied by the Corporation workmen, and local farmers remove the refuse on to the land for manure.

Ashbins and pail closets are emptied weekly, and privy middens at intervals of approximately two months.

Shop refuse is removed twice weekly by means of a covered motor vehicle, and the charge for collection is 3d. per bin after one free bin.

The Corporation dispose of the refuse on to tips, by controlled tipping.

During the year, 13,041½ tons of refuse were collected by the Pagefield system, and 1,807 tons by other motor vehicles. The total amount of refuse removed being 14,848½ tons. In addition to this the Corporation removed, during the year, 269½ tons of salvage.

STREAMS AND WATERCOURSES

The streams and ditches are cleansed and bottomed by their respective owners, and receive frequent inspection. Rimrose Brook, which is situated on the eastern boundary, is polluted mainly by the effluent from a large piggery outside the Borough. This effluent has a very offensive smell, contains too much suspended matter to discharge into any watercourse, and gives rise to a nuisance during the summer season when there is little dilution taking place.

Representations have been made when necessary to the Authority in whose district the piggery is situated.

SMOKE ABATEMENT

There are seven factory chimneys in the Borough, five laundries, one brick works and one large mail order store.

Twenty-one smoke observations were made during the year, and offenders were advised on the methods of securing smokeless combustion. Unsuitable fuel and overloading due to shortage of new plant appear to be the main causes of excessive smoke emission.

There are no Bye-Laws in force under the Public Health (Smoke Abatement) Act, 1926, or the Public Health Act, 1936.

CINEMAS

There are seven cinemas in the Borough. All were inspected and found to be well conducted, 19 visits being made for this purpose during the year.

ERADICATION OF BED BUGS

The methods employed for the freeing of infested houses from bed bugs are:—the removal of infested bedding and clothing etc., to the disinfecting station, the thorough spraying of the rooms with an insecticide, and the use of insecticidal 'smokes'.

All complaints received regarding infestation were investigated, and the number of houses found to be infested were:—

Council Houses, 28.

Other Houses, 217.

199 additional visits of inspection were also recorded under this heading during the year, and other premises were disinfected on account of infestation by fleas, moths, cockroaches, etc.

TENTS, VANS AND SHEDS

There are no temporary dwellings in the Borough.

RATS AND MICE DESTRUCTION, 1919

Complaints were received regarding rat infestation, and the ensuing investigations entailed 245 visits. In the majority of cases the methods recommended by the Ministry of Food were employed, usually with satisfactory results.

Where necessary, owners or occupiers were advised on the best methods of rat proofing their premises to prevent re-infestation.

In the agricultural portion of the Borough dogs and ferrets are still used where the laying of poisoned baits is impracticable.

The work of treating the sewers for rats has been again carried out during the year. 545 sewer manholes were baited with pre-bait, and in 185 cases pre-bait 'takes' were recorded. These manholes were then baited with poison.

As a measure of economy, poison bait 'takes' were not checked, but the detailed figures for the second pre-baiting were as follows.

Number of manholes shewing complete 'take'	126
„ „ „ slight 'take'	59
„ „ „ bait untouched	360

PUBLIC ELEMENTARY SCHOOLS

At the end of 1946 there were 21 Public Elementary Schools in the Borough. The schools were inspected periodically during the year and any defects discovered were reported to the Education Department. All the children who are excluded from school on account of infectious disease in their homes are notified to the Education Department, and the Head Teachers are also informed.

SUMMARY OF WORK OF SANITARY INSPECTORS, 1946

Public Health and Housing Acts

Number of dwelling houses inspected under Public Health Act....	2908
" " re-visited under Public Health Act....	7764
" " inspected under Housing Act	12
" " re-visited under Housing Act	2
" " inspected re overcrowding	21
" " inspected re vermin.....	199
" complaints received and investigated.....	1211

General Sanitation

Number of visits re water supply	111
" " re Drainage	255
" " to stables and piggeries.....	44
" " to offensive trades	3
" " to Houses let in lodgings	22
" " to Factories and Workshops	296
" " to Bakehouses	39
" " to Public Conveniences	46
" " to Theatres and Cinemas	19
" " re Refuse Collection and Deposit	30
" " re Rats and Mice	245
" " to Petroleum Stores	27
" " to Watercourses and Ditches	54
" " re Infectious Diseases and Disinfection	425
" " re Smoke observations	21
" " to Common Yards and Passages	36
" " to Tents, Vans and Sheds	22

Meat and Food Inspection

Number of visits to Butchers' Shops	151
" " to Fishmongers and Poulterers	50
" " to Grocers and General Food Shops	180
" " to Fried Fish Shops	85
" " to Greengrocers and Fruiterers	42
" " to Restaurants	20
" " to Cowsheds	131
" " to Dairies	238
" " to Misc Food Premises	52
" " to Licensed Houses	10
" " to Ice Cream Premises	159
" Food and Drugs Samples taken	206
" Milk Samples taken	95

Miscellaneous

Number of visits to Shops under Shops Act	288
Interviews with Owners, Contractors, etc.	575
Miscellaneous visits and inspections	873

Disinfection

Number of rooms disinfected after infectious diseases	299
Number of articles of clothing, bedding, etc., disinfected after infectious diseases	3089
Number of library books disinfected after infectious diseases	408
Number of articles of bedding, etc., disinfected for Civil Defence, A.R.P. and Billeting	9

HOUSING AND ENVIRONMENTAL HYGIENE

43

Number of verminous rooms disinfected	200
Number of rooms disinfected for cockroaches	349
Notices served and complied with	
Number of preliminary notices served	2155
Number of preliminary notices complied with	1858
Number of statutory notices served	354
Number of statutory notices complied with	442
Number of Nuisances abated and Defects remedied	
(a) Dwelling houses	
Roofs repaired or renewed.....	612
External walls repointed	158
Wall and ceiling plaster repaired	626
Floors repaired or renewed	142
Windows and sashcords repaired or renewed	762
Cooking ranges and fireplaces repaired or renewed	169
Coppers provided or repaired	20
Sinks provided or repaired	79
Water supplies repaired or provided	408
Rainwater pipes and eaves gutters repaired or renewed	348
Food stores provided or repaired	5
Stairs, doors and woodwork repaired or renewed	358
Chimneys and stacks repaired	70
Yards and passages paved or repaired	78
Dangerous walls rebuilt	70
Dampness abated	180
Rooms cleansed and redecorated	11
Sink waste pipes renewed or repaired	137
Additional lighting or ventilation provided	5
Miscellaneous items	41
(b) Drainage	
Drains cleared of obstruction	228
Drainage repaired, reconstructed, etc.	85
(c) Water Closets	
New water closets provided.....	3
W.C. compartments repaired and cleansed	168
W.C. pedestals and cisterns repaired or renewed	455
(d) Dustbins	
New dustbins provided	779
(e) Miscellaneous	
Offensive accumulations removed	21
Verminous and dirty premises cleansed	51
Other items	19
Workshops and bakehouses	20
Cowsheds and dairies—defects and contraventions remedied	6
Food premises—defects and contraventions remedied	34
Shop Acts—defects and contraventions remedied.....	16
Keeping of animals—nuisances abated	1

G. F. LEWIS, M.R.S.I.,

Chief Sanitary Inspector.

